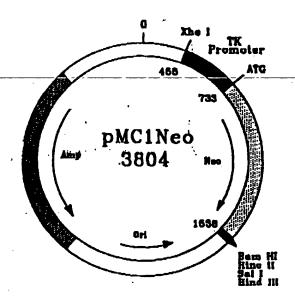
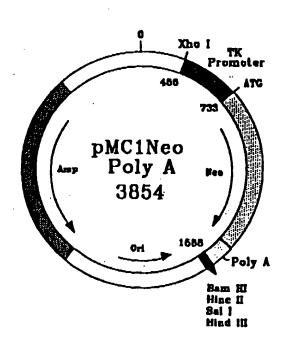


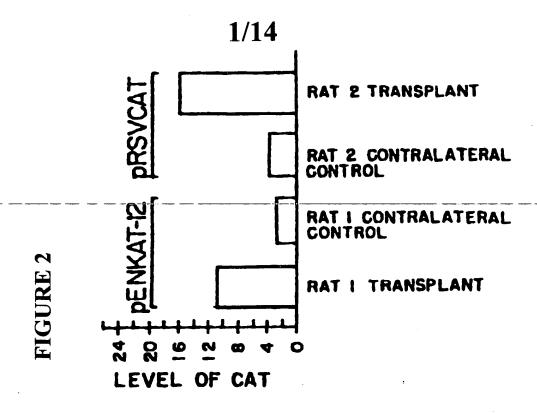
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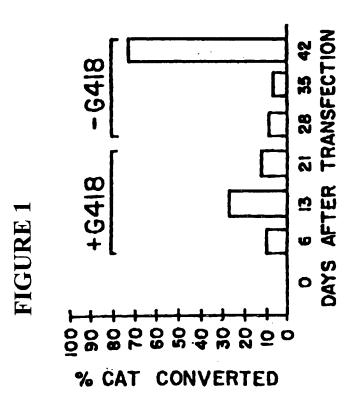


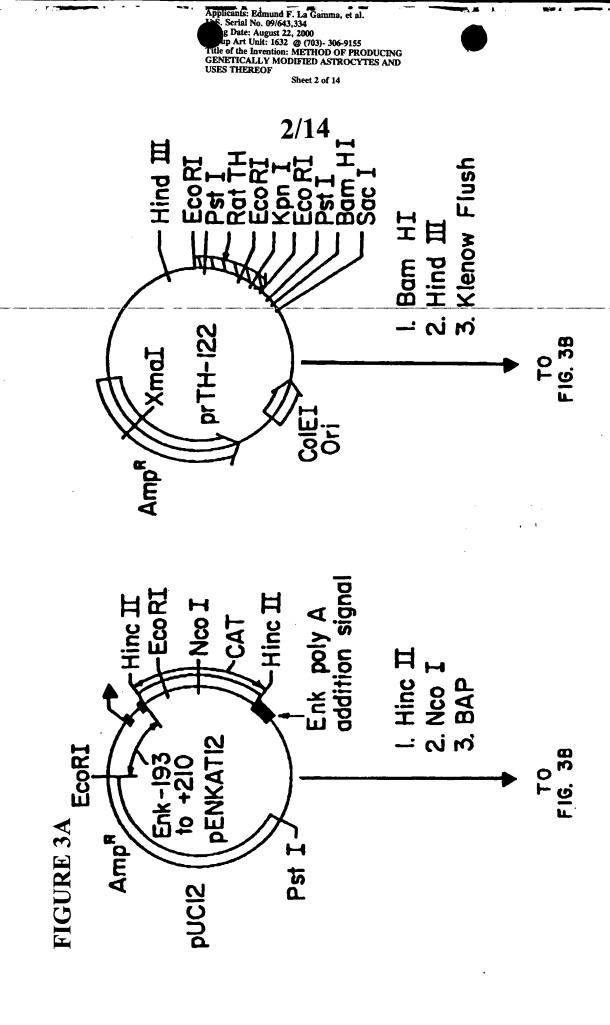


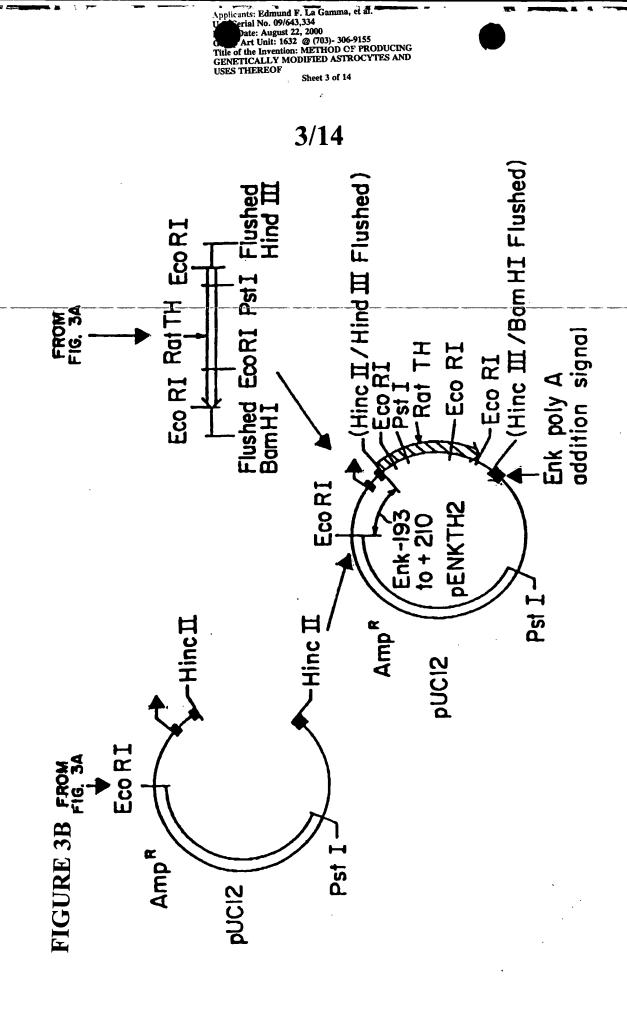


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USES THEREOF
Sheet 1 of 14







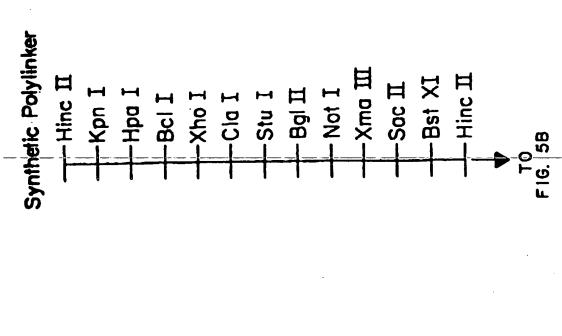


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USES THEREOF
Sheet 5 of 14 Sheet 5 of 14 5/14 (Hinc II/EcoRI/Hind III) -(Hinc II/EcoRI/BstXI) Enk poly A addition signal HTH CDNA HTH CONA FIG. 4A Eco RI PENKHTHI ENK ► Hinc II 4. Ligase Amp<sup>R</sup> **pUCI2** Pst Eco RI FIG. 4A FIGURE 4B Pst I Amp<sup>R</sup> **pUCI2** 

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**FIGURE 5A** 

Enk poly A addition signal -Hinc II -Eco RI L'Hinc H - Nco I CAT 1. Hinc II 2.Nco I 3. BAP EcoRI Amp<sup>R</sup>, Pst

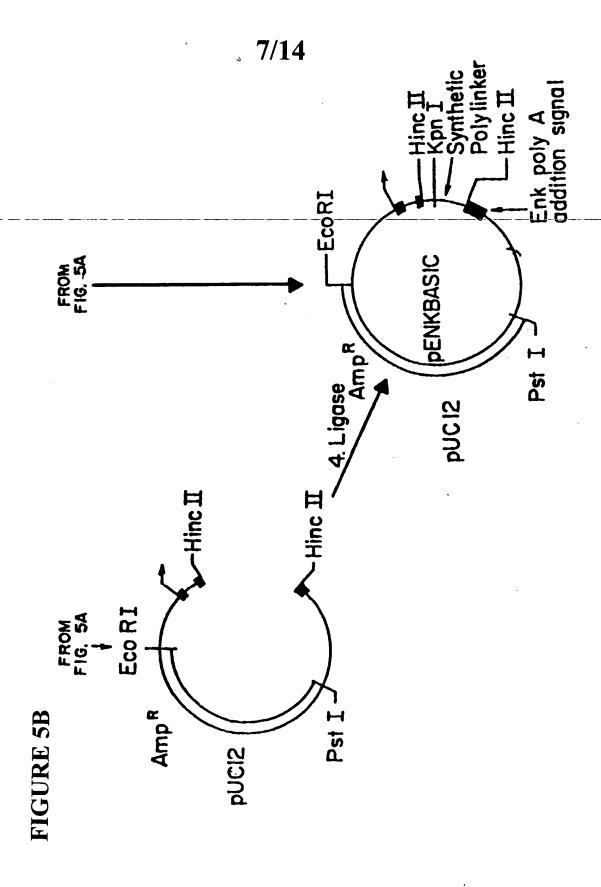
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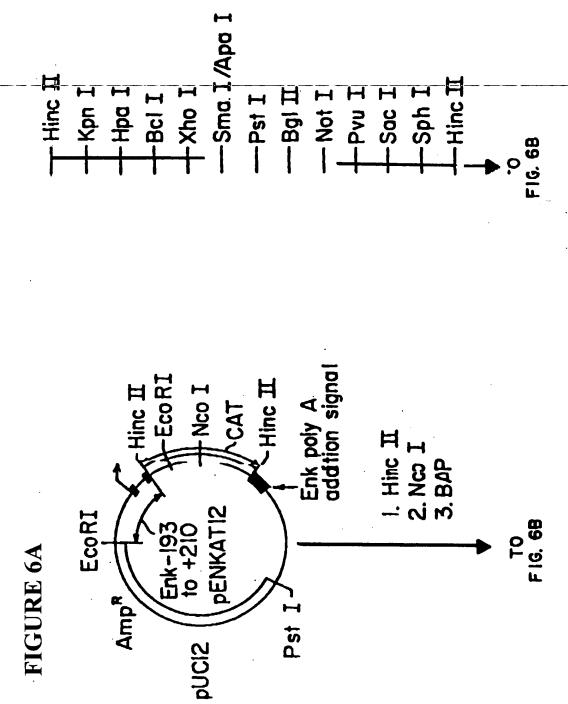
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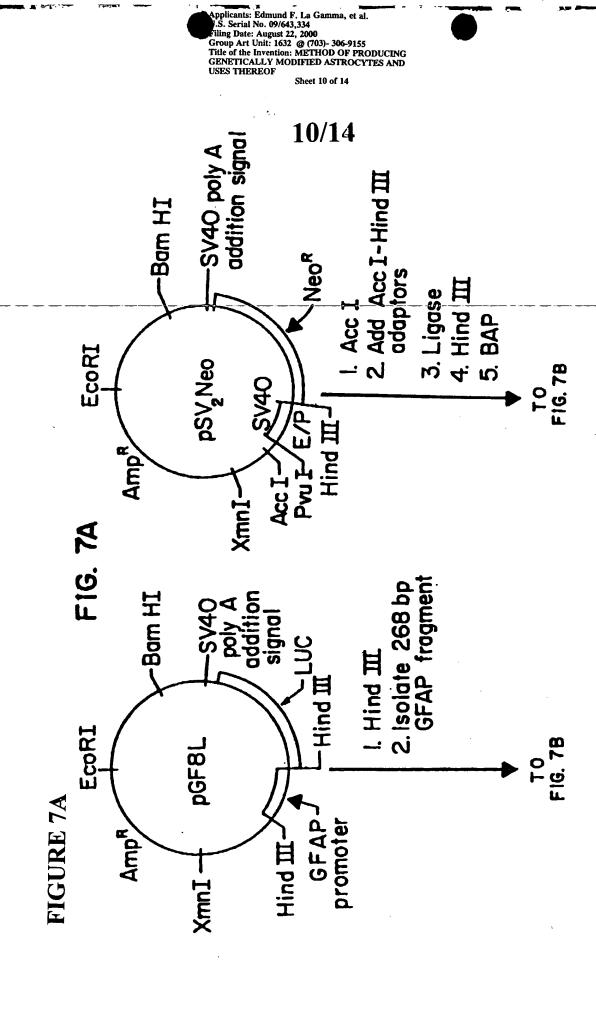


A Cants: Edmund F. La Gamma, et al. erial No. 09/643,334
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Group Art Unit: 1632 @ (703)- 306-9155
Title of the Invention: METHOD OF PRODUCING GENETICALLY MODIFIED ASTROCYTES AND USES THEREOF
Sheet 9 of 14 Sheet 9 of 14 9/14 Hinc II Kpn I Synthetic Polylinker Enk poly A addition signal -EcoRI 4. Ligase Amp Pst I Eco RI Amp<sup>R</sup> Pst pUC12

FROM FIG. 6A

FROM FIG. 6A

FIGURE 6B



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Sheet 11 of 14 : Sheet 11 of 14 11/14 -SV40 poly A addition signal Bom HI EcoRI FIG. 7A ·Bam HI 「Hind 由 Amp<sup>R</sup> AccI XmnI-用 puiH Ligase EcoRI pGF8Neo GFAP -/ promoter Bcli Apar[Hing] Amp<sup>R</sup> Acc I-FIG. 7A GFAP promoter FIGURE 7B

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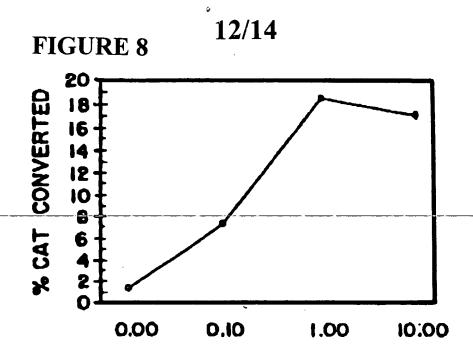
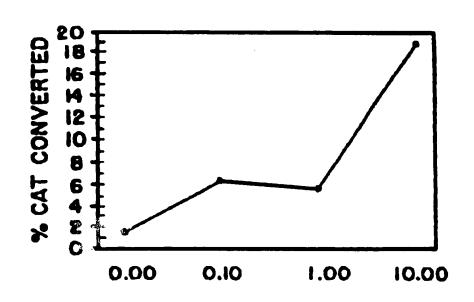


FIGURE 9



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FIGURE 10

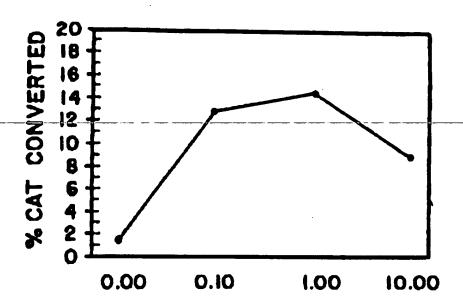
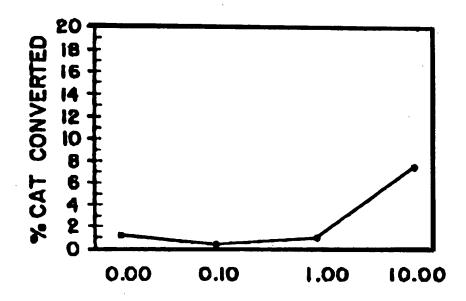


FIGURE 11



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